



OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 16

January 8, 2016

JANUARY

BSEE Principles of Regulatory Inspections (24 hrs):

This course provides the participant with an understanding of the role of the Inspector and Environmental Enforcement Officers; to include the relationship and responsibilities within the organization, the regulations, guidelines, and policies that govern the Inspection and Environmental Enforcement Programs.

Target Audience: New Inspectors

Date: January 12-14, 2016

Location: Shell Robert Training Facility Robert, LA

Class Capacity: 15

Vendor: In-house

Enroll: DOI Learn [BSEE Principles of Regulatory Inspections](#)

BSEE Electronic Safety Shutdown System (16 Hrs):

This course provides information and practice to understand the use of the Master Status Panel (MSP) and Local Control Panels (LCP's) to locate and tag the first-out process shutdown event, subsequent shutdown events, manual bypasses, classes A, B, C, and C/B bypasses, process alarms, and miscellaneous shutdowns.

Target Audience: Inspectors (Level 4)

Date: January 13-14, 2016

Location: Shell Robert Training Center, Robert, LA

Class Capacity: 15

Vendor: Shell Robert Training Center

Enroll: DOI Learn [BSEE Electronic Safety Shutdown System](#)



OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 16

January 8, 2016

BSEE Petroleum Engineering for Non-Engineers (40 hrs):

The course provides a basic understanding of offshore systems in all water depths, from shallow to ultra deepwater, including design, construction and operations. The course includes elements of field architecture to define field development; types and terminology of offshore production facilities and structures; basic processes and equipment involved in the topsides design and operation; equipment used in the transportation of produced fluids and treatment chemicals; and life-cycle and decommissioning decisions.

Target Audience: Non Engineers

Date: January 25-29, 2016

Time: 8:00 am – 5:00 pm each day

Location: MIB Rm 5452, 1849 C Street, NW, Washington, DC 20240

Class Capacity: 15

Vendor: Petroskills

Enroll: DOI Learn [BSEE Petroleum Engineering for Non-Engineers](#)

BSEE Multiphase and Single-Phase Metering (32 Hrs):

This course provides an understanding of the operations, application and characteristics of both Multiphase and Single-Phase meters.

Target Audience: Engineers

Date: January 25-28, 2016

Location: 1201 Elmwood Parkway RM 131 New Orleans, LA

Class Capacity: 15

Vendor: CEESI

Enroll: DOI Learn [BSEE Multiphase and Single-Phase Metering](#)

BSEE Glycol Dehydration (24 Hrs):

This course will provide the student with the methodology and principles of Gas Dehydration through the Triethylene Glycol Regenerative method.

Target Audience: Engineers (Level 3) Inspectors (Add)

Date: January 26-28, 2016

Location: J. Schneiders & Associates, Ltd, 325 Industrial Parkway, Lafayette, LA

Class Capacity: 30

Vendor: J. Schneiders & Associates, LTD

Enroll: DOI Learn [BSEE Glycol Dhydration](#)



OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 16

January 8, 2016

BSEE SUBSEA BOP Stacks (32 Hrs):

This course focuses on SUBSEA and Well Control equipment (blow-out preventers and diverters), its inspection criteria, certification requirements, maintenance procedures and documentation. It will acquaint the personnel tasked with inspection of deepwater drilling activities with the equipment and the inspection procedures.

Target Audience: Inspectors (Level 4) and Engineers (Level 4)

Date: January 26-29, 2016

Location: SUBSEA Solutions, 16285 Park Ten Place Suite 230 Houston TX

Class Capacity: 12

Vendor: SUBSEA Solutions

Enroll: DOI Learn [BSEE SUBSEA BOP Stacks](#)

BSEE Basic Well Operations (32 Hrs):

This course is an introductory course and focuses on the overall drilling process and equipment; The language of drillers - understanding their terminology; Understanding the abbreviations and acronyms associated with drilling; Rig equipment and types; Types of drill bits; Drilling fluid properties; Well control, cementing; and casing design as well as directional drilling and safety.

Note: This class is at a working drill site and will require each person to wear appropriate PPE. The Offshore Training Branch will provide the hard hats and safety glasses. Each individual is responsible for their own Safety shoes. If you have been issued a uniform be sure to wear it to training. Any additional questions may be addressed to Joel Moore (joel.moore@bsee.gov.)

Target Audience: Inspectors (Level 2) Engineers (Level 2)

Date: January 26-29, 2016

Location: 468 CR 143 Cameron, TX

Class Capacity: 15

Vendor: NeXT

Enroll: DOI Learn [BSEE Basic Well Operations](#)



OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 16

January 8, 2016

FEBRUARY

BSEE Managed Pressure Drilling Design & Operations (32 Hrs)

This course will cover how to manage and control issues of narrow pore/fracture pressure gradient windows, lost circulation, abnormal pressures, kick/loss situations through the use of managed pressure drilling. Drill MPD Wells in depleted offshore reservoirs; acquire basic concepts of MPD within offshore wells; review various MPD methods and equipment; recognize, analyze, and identify typical situations calling for MPD and assess potential benefit. The course will review several case studies and examples.

Target Audience: Engineers (Specialized)

Date: February 1-4, 2016

Location: 45600 Woodland Rd, Sterling, VA Rm 141

Class Capacity: 15

Vendor: IBC Academy

Enroll: DOI Learn: [BSEE Managed Pressure Drilling Design & Operations](#)

BSEE Basic Instrumentation (32 Hrs):

This course provides the student with an introduction to Instrumentation and Control, pressure control systems and control valves, Level control systems, and PLC, DCS, and SCADA. The participant will be provided the correct installation and operation of the various devices, perform maintenance, repairs, and calibration to safety equipment, and diagnose and trouble shoot common malfunctions of equipment that is covered in this course.

Target Audience: Inspectors (Level 3); Engineers (Level 3)

Date: February 2-5, 2016

Location: Shell Robert Training Facility, Robert, LA

Class Capacity: 12

Enroll: DOI Learn [BSEE Basic Instrumentation](#)



OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 16

January 8, 2016

BSEE Rigless Interventions (32 Hrs):

This course will enable the participant to describe common applications of Slickline, non-conductive braided cable and e-line (logging cable). In addition, pressure control equipment and to gain entry in to a live well, rig up limitations, configuration of basic wireline toolstring and it is manipulated, most common wireline problems and how to avoid them. The participant will be provided with an introduction to the newest slickline intervention techniques currently available.

Target Audience: Engineers (Specialized)

Date: February 22-26, 2016

Location: 1201 Elmwood Parkway New Orleans, LA

Class Capacity: 15

Vendor: petroEDGE®

Enroll: DOI Learn [BSEE Rigless Interventions](#)

BSEE Cranes and Rigging Inspections (32 hrs):

This course will identify all major inspections hardware and components including review and discussion on all structurally critical components, safety requirements and principals, of proper, effective and structural safeness of cranes. Special emphasis is given to knowledge of special critical inspection, maintenance and troubleshooting procedures, hoist troubleshooting and overhaul, structural aspects of offshore cranes, load charts and identification of cranes mechanical components of cranes.

Target Audience: Inspectors (Level 3)

Date: February 22-25, 2016

Location: Gulf Crane Services 73413 Bollfield Dr. Covington, LA 70434

Class Capacity: 10

Vendor: Gulf Crane Services Inc.

Enroll: DOI Learn: [BSEE Cranes and Rigging Inspections](#)



OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 16

January 8, 2016

BSEE Well Control Equipment Math Theory & Calculations (16 Hrs)

This course will provide a solid overview of the math and calculations involved with Subsea Well Control drilling equipment and operations. The course will include equipment and calibration, angular measurements Vernier calipers; Magnitude and quantities; Measurement errors (Instrument, environmental, and Human); Calculations (Hydrostatic Pressure; Determining Accumulators volumes; rigid conduit lines volumes; compressibility of fluids; and riser tensions) This class will include math exercises.

Target Audience: Engineers (Specialized)

Date: February 23-24, 2016

Location: SUBSEA Solutions, 16285 Park Ten Place, Suite 230 Houston TX

Class Capacity: 12

Vendor: SUBSEA Solutions

Enroll: DOI Learn [BSEET Well Control Equipment Math Theory & Calculations](#)

BSEE Risk Based Pipeline Integrity Management (24 Hrs)

This course will provide a practical understanding of Integrity Codes and Standards; Identification of pipeline typical threats/failures; definition of Pipeline Integrity Management Systems; Assessment and management of risk; Pipeline monitoring and inspection techniques; Integrity assessment to B57910, DNV OS-F101, and API 579-1/AME-FFS-1; Direct Assessment techniques (internal/external); and reinforce learning using case studies and worked examples.

Target Audience: Engineers (Specialized)

Date: February 23-25, 2016

Location: 1201 Elmwood Parkway New Orleans LA

Class Capacity: 15

Vendor: IBC Academy

Enroll: DOI Learn [BSEE Risk Based Pipeline Integrity Management](#)



OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 16

January 8, 2016

BSEE Deepwater Completions (32 Hrs):

This course will provide the participant with information on deepwater well construction; the impact of formation damage; the types of completions; completion equipment, and surface controlled subsurface safety valves.

Target Audience: Engineers (Level 4)

Date: February 29- March 4, 2016

Location: 1201 Elmwood Parkway RM 135 New Orleans, LA

Class Capacity: 15

Vendor: petroEDGE®

Enroll: DOI Learn [BSEE Deepwater Completions](#)

BSEE Petroleum Engineering for Non-Engineers (40 hrs):

The course provides a basic understanding of offshore systems in all water depths, from shallow to ultra deepwater, including design, construction and operations. The course includes elements of field architecture to define field development; types and terminology of offshore production facilities and structures; basic processes and equipment involved in the topsides design and operation; equipment used in the transportation of produced fluids and treatment chemicals; and life-cycle and decommissioning decisions.

Target Audience: Non Engineers

Date: February 29- March 4th, 2016

Time: 8:00 am – 5:00 pm each day

Location: 1201 Elmwood Parkway, New Orleans, LA

Class Capacity: 20

Vendor: Petroskills

Enroll: DOI Learn [BSEE Petroleum Engineering for Non-Engineers](#)



OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 16

January 8, 2016

MARCH

BSEE Subsea MUX BOP Control Systems (24 Hrs)

This course will cover the BOP MUX Control Systems definition and functions; the Anatomy of a BOP MUX Control system; and the hardware architecture overview.

Target Audience: Inspectors (Level 4) and Engineers (Level 4)

Date: March 15-17, 2016

Location: SUBSEA Solutions, 16285 Park Ten Place, Suite 230 Houston TX

Class Capacity: 12

Vendor: SUBSEA Solutions

Enroll: DOI Learn [BSEE Subsea MUX BOP Control Systems](#)

BSEE Production Safety Systems -T2 (24 Hrs):

A three-day course that provides the students with an understanding of the oil and gas production facility offshore with the concentration on the safety systems. The students are given the knowledge through open class discussions and demonstrations.

Target Audience: Inspectors (Level 2) and Engineers (Level 2)

Date: March 22-24, 2016

Location: J. Schneiders & Associates, Ltd, 325 Industrial Parkway, Lafayette, LA

Class Capacity: 15

Vendor: J. Schneiders & Associates, Ltd

Enroll: DOI Learn [BSEE Production Safety Systems – T2](#)



OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 16

January 8, 2016

BSEE Cranes and Rigging Inspections (32 hrs):

This course will identify all major inspections hardware and components including review and discussion on all structurally critical components, safety requirements and principals, of proper, effective and structural safeness of cranes. Special emphasis is given to knowledge of special critical inspection, maintenance and troubleshooting procedures, hoist troubleshooting and overhaul, structural aspects of offshore cranes, load charts and identification of cranes mechanical components of cranes.

Target Audience: Inspectors (Level 3)

Date: March 28-31, 2016

Location: Gulf Crane Services 73413 Bollfield Dr. Covington, LA 70434

Class Capacity: 10

Vendor: Gulf Crane Services Inc.

Enroll: DOI Learn: [BSEE Cranes and Rigging Inspections](#)

BSEE Compression (16 Hrs):

A two day course that provides the students with an understanding of reciprocating gas compression that includes the following: Reciprocating Compressor design, gas compression and liquids, sequence of operation, reciprocating compressor components, auxiliary components, compressor panel, iperating procedures and maintenance programs and repair indicators.

Target Audience: Engineers (Level 3) Inspectors (Add)

Date: March 29-30, 2016

Location: J. Schneiders & Associates LTD, 325 Industrial Parkway, Lafayette. LA

Class Capacity: 15

Vendor: J. Schneiders & Associates Ltd

Enroll: DOI Learn [BSEE Compression](#)



OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 16

January 8, 2016

APRIL

BSEE Stuckpipe Prevention and Fishing (32 Hrs):

This course will cover Stuck Pipe Prevention, Hole pack-Off and Bridging; Differential Sticking; Formation & Wellbore Geometry Related Problems; Hole Cleaning; Tools, Equipment & Systems; Down hole Operations, and Fishing Coiled Tubing.

Target Audience: Engineers (Specialty)

Date: April 4-8, 2016

Location: New Orleans, LA

Class Capacity: 15

Vendor: petroEDGE

Enroll: DOI Learn [BSEE Stuckpipe Prevention and Fishing](#)

BSEE USCG Fixed Facility Inspections (16 hrs):

This two day course is centered around the CG form 5432, covers all the items that are on the 5432 and how to inspect those items. Total Safety will be conducting training on the items they service along with a visit to their shop where and how they service the equipment. MSTC will be providing their Basic Survival Course which includes lifeboat nomenclature, inspection of critical components, lowering the lifeboats, and commanding (driving) the lifeboat.

Target Audience: Inspectors

Date: April 5-6, 2016

Location: Day 1: 5749 US-90, Broussard, LA 70518;

Day 2: 2431 SE Evangeline Thruway, Lafayette, LA 70508

Class Capacity: 10

Vendor: Total Safety/MSTC/BSEE

Enroll: DOI Learn: [BSEE USCG Fixed Facility Inspections](#)



OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 16

January 8, 2016

BSEE Cranes and Rigging Inspections (32 hrs):

This course will identify all major inspections hardware and components including review and discussion on all structurally critical components, safety requirements and principals, of proper, effective and structural safeness of cranes. Special emphasis is given to knowledge of special critical inspection, maintenance and troubleshooting procedures, hoist troubleshooting and overhaul, structural aspects of offshore cranes, load charts and identification of cranes mechanical components of cranes.

Target Audience: Inspectors (Level 3)

Date: April 18-21, 2016

Location: Gulf Crane Services 73413 Bollfield Dr. Covington, LA 70434

Class Capacity: 10

Vendor: Gulf Crane Services Inc.

Enroll: DOI Learn: [BSEE Cranes and Rigging Inspections](#)

BSEE SUBSEA BOP Stacks (32 Hrs):

This course focuses on SUBSEA and Well Control equipment (blow-out preventers and diverters), its inspection criteria, certification requirements, maintenance procedures and documentation. It will acquaint the personnel tasked with inspection of deepwater drilling activities with the equipment and the inspection procedures.

Target Audience: Inspectors (Level 4) and Engineers (Level 4)

Date: April 26-29, 2016

Location: SUBSEA Solutions, 16285 Park Ten Place Suite 230 Houston TX

Class Capacity: 12

Vendor: SUBSEA Solutions

Enroll: DOI Learn: [BSEE SUBSEA BOP Stacks](#)



**OFFSHORE TRAINING BRANCH
COURSE SCHEDULE
FY 16**

January 8, 2016

MAY

**BSEE Introduction to Schematics Reading and SUBSEA BOP
Control Systems (16 Hrs):**

This course will provide the student with the knowledge base and intuitive skill sets needed to understand and interpret schematic diagrams accurately; The course will cover Fluid Control and Power system symbols; fluid Power Schematics, Electrical Control symbols and schematics; BOP control Schematics; Schematic view and tracking Electrically and Hydraulically and Emergency Control Systems.

Target Audience: Engineers (Specialized); Inspectors (Add)

Date: May 24-25, 2016

Time: 8:15am to 4: 30 pm

Location: SUBSEA Solutions, 16285 Park Place Suite 230 Houston TX

Class Capacity: 12

Vendor: SUBSEA Solutions

Enroll: DOI Learn [BSEE Introduction to Schematics Reading and SUBSEA BOP Control Systems](#)



OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 16

January 8, 2016

Online Courses:

Basic Aviation Safety (Basic Safety) A-100

A-100 Basic Aviation Safety is a foundation aviation safety course. In a collaborative effort, OAS Training Division worked with subject matter experts from DOI bureaus and the USFS to update and consolidate the existing B3 curriculum into one course.

A-100 replaces five older courses – A-101 Aviation Safety; A-105 Aviation Life Support Equipment (ALSE); A-106 Aviation Mishap Reporting; A-108 Preflight Checklist & Briefing/Debriefing; A-113 Crash Survival.

Target Audience: Inspectors/Frequent Offshore Travelers

Date: Available 24/7

Enroll: <https://www.iat.gov/Training/logon.asp?wherefrom=mod-a100>

** You must register on the IAT site to take the test and receive the certificate. There will be a “click here” on the last slide of the training to login to take the test and receive the certificate.

General Awareness Security A-116

This module provides the information to recognize and report suspicious activity and information necessary to enhance the agency security program.

Target Audience: Inspectors/Frequent Offshore Travelers

Date: Available 24/7

Enroll: <https://www.iat.gov/Training/modules/a116/index.html>

** You must register on the IAT site to take the test and receive the certificate. There will be a “click here” on the last slide of the training to login to take the test and receive the certificate.

Aviation Transport of Hazardous Material A-110

This module complies with the U.S. Department of Transportation Regulations 49 CFR 171.8 whereby agency employees who transport hazardous materials by air must receive training on the requirements and conditions of the exemption To 49 CFR 175.5 (a)(2).

Target Audience: Offshore Travelers that Transport Hazardous Material

Date: Available 24/7

Enroll: <https://www.iat.gov/Training/modules/a110/pre-110.html>

** You must register on the IAT site to take the test and receive the certificate. There will be a “click here” on the last slide of the training to login to take the test and receive the certificate.



OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 16

January 8, 2016

Aviation Management Training for Supervisors M-3

This module is required for all supervisors and Managers that supervise frequent Offshore Travelers or manage the aviation programs associated to offshore travel.

Target Audience: Supervisors and Managers of Frequent Offshore Travelers

Date: Available 24/7

Enroll: <https://www.iat.gov/Training/logon.asp?wherefrom=mod-m3>

** You must register on the IAT site to take the test and receive the certificate. There will be a "click here" on the last slide of the training to login to take the test and receive the certificate.

DOI/USFS Accident Review Information A-200

The A-200 modules present a detailed review of the accidents and incidents with potential (IWP) which occurred under the DOI Aviation Management and FS umbrella's. These modules are identified by FY. The participant may choose any one of the A-200 to satisfy the requirement.

Target Audience: Frequent Offshore Travelers; Supervisors and Managers of Frequent Offshore Travelers

Date: Available 24/7

Enroll: [DOI/USFS Accident Review Information](#)

** You must register on the IAT site to take the test and receive the certificate. There will be a "click here" on the last slide of the training to login to take the test and receive the certificate.

NOTE: Upon completion of all Aviation Modules, the employee must sign into DOI Learn and Self Certify completion.



OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 16

January 8, 2016

BSEE Marine Debris Awareness

The BSEE NTL No. 2012-G01 requires Marine Debris awareness training **annually** for all offshore employees and contractors actively engaged in offshore operations. The training consists of two parts: (1) viewing a marine trash and debris training video or slide show and (2) receiving an explanation from management personnel from the lessee or designated lease operator that emphasizes their commitment to the message of the NTL. Marine Debris Awareness is identified as Level 1 training for BSEE Inspectors. The slides are available on DOI Learn as a PDF. The video is available on the OOC website: <http://www.theooc.us/marinedebris.html> and on the pipeline under the Offshore Training Branch:

<http://pipeline.boemre.gov/organizations/oemm/otb.aspx>

Once you've completed viewing the video or the slides, return to your DOI-Learn account to self-certify.

Target Audience: Inspectors

Date: Available 24/7

Slides: DOI Learn [BSEE Marine Debris Awareness](#)

Video: <http://pipeline.boemre.gov/organizations/oemm/otb.aspx>

Self-Certify: DOI Learn [BSEE Marine Debris Awareness](#)

Safety: Personal Protective Equipment

****NOTE: This course is the required Level 1 course for Industry Personal Safety Standards.**

Personal protective equipment (PPE) includes all clothing and other work accessories designed to create a barrier against workplace hazards. Hard hats, goggles, face shields, steel-toed shoes, respirators, aprons, gloves, and full body suits are all forms of personal protective equipment. At the end of this course, you should be able to: Describe the basics of conducting a hazard assessment of the workplace; Identify the different types of PPE and the proper use and care of the equipment; and Select appropriate PPE for a variety of circumstances.

Target Audience: Inspectors (Level 1)

Date: Available 24/7

Enroll: DOI Learn [Safety: Personal Protective Equipment](#)



OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 16

January 8, 2016

BSEE 3D Drilling Rig Tour

This course is a simulated tour of an oil and gas drilling rig. The video simulation highlights components and terminology associated with a drilling rig. Two suggested resources are identified: The Dictionary for the Oil and Gas Industry and Petroleum Geology Exploration, Drilling & Production (Text Book).

BSEE/OORP/OTB does not sell or endorse these resources.

Target Audience: Individuals seeking introductory terminology for the Oil and Gas Industry.

Date: Available 24/7

Enroll: DOI Learn: [BSEE 3D Drilling Rig Tour](#)

SEMS II Awareness Training for Oil field Employees

Online training course for the New Safety and Environmental Management System (SEMS) II regulation, 30 CFR 250 Subpart S.

Target Audience: Inspectors

Date: Available 24/7

Enroll: DOI Learn [BSEE SEMS II Awareness Training for Oil Field Employees](#)

Petroleum Engineering Online Certification Program – Texas A&M

The mission of the certificate program is to address the needs and interests especially of those individuals who are interested in expanding and updating their knowledge and information in specialized areas of petroleum engineering such as asset management and economics, drilling, formation evaluation, natural gas, production, reserves, and reservoir engineering.

Online training in Petroleum Engineering principles for Non-Petroleum Engineers who graduated with an undergraduate degree within the last 5 years.

Target Audience: Engineers

Enroll: http://www.pe.tamu.edu/DL_Program/certificates.html

THIS IS NOT IN DOI LEARN